Product Categories

Lelon

LNBF

Circular LNBF

ITEM	SPECIFICATION
Input Frequency	11.7 ~ 12.75 GHz
Polarization	RHCP / LHCP
L.O. Frequency	10.75 GHz
Noise Figure	0.5 dB

DCSS LNBF / SCR LNBF

ITEM	SPECIFICATION
SCR LNB	Maxlinear Solution
Band stacked LNB	Customize LO Frequency

DiSEqC Switch 2x1/4x1

ITEM	SPECIFICATION
Input Frequency	950 ~ 2150 MHz
Insertion Loss	3 dB
Isolation	20 dB
Input Return Loss	8 dB
Output Return Loss	8 dB

VSAT Applications

Receive Band Rejection Filter & Sampler

ITEM	SPECIFICATION
Waveguide Size	WR75
Operating Frequency	13.75-14.50 GHz
Insertion Loss	0.40 dB max
Rejection	25dB min @ 10.70~12.75GHz
Coupling	30±1dB

SATCOM
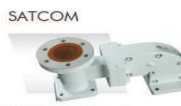
WR75 OMT Network

ITEM	SPECIFICATION
Frequency	Rx:10.7~12.75GHz / Tx:13.75~14.5GHz
VSWR	1.5 max
Insertion loss	Tx to Horn 0.2dB max Horn to Rx 0.4dB max
Isolation	Tx to Rx 90 dB min @ 10.7 ~ 12.75 GHz Rx to Tx 40 dB min @ 13.75 ~ 14.5 GHz X-pol 35 dB min @ 10.7 ~ 14.5 GHz

Ku Band L Type RJ With OMT Network

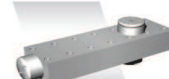| ITEM	SPECIFICATION
Frequency	Rx:10.95 ~ 12.75 GHz/Tx:13.75 ~ 14.5 GHz
VSWR	1.4 max
Insertion Loss	0.2 dB max
Isolation Rx/Tx	40 dB min @ 10.7 ~ 12.75 GHz 70 dB min @ 13.75 ~ 14.5 GHz

MMW & Microwave

E-Band Diplexer T Type

ITEM	SPECIFICATION
Frequency	CH1:71-76 GHz / CH2:81-86 GHz
Insertion Loss	0.7 dB max (0.5 dB typical)
Return Loss	18 dB min
Tx/Rx Isolation	65 dB min

E-Band Diplexer M Type

ITEM	SPECIFICATION
Frequency	CH1:71-76 GHz / CH2:81-86 GHz
Insertion Loss	0.7 dB max (0.5 dB typical)
Return Loss	18 dB min
Tx/Rx Isolation	65 dB min

Hybrid Coupler for ODU

ITEM	SPECIFICATION
Frequency range	5.925 ~ 43.5 GHz
Bandwidth	20% max
Coupling -3dB	Insertion Loss, Main (dB) : 3.6 ~ 3.8 Insertion Loss,Secondary (dB):3.6 ~ 3.8
Coupling -6dB	Insertion Loss, Main (dB):1.8 ~ 1.9 Insertion Loss,Secondary (dB):7 ~ 7.3
VSWR @ Coupler Port	1.2 ~ 1.3
Port-Port Isolation (dB)	20

Antennas

Slot Array Antenna

Passive Components

Rotary Joint

Dual Channel

Dual Axis

Single Channel U Type

Single Channel L Type

Single Channel I Type

Cables

Die Cast Bends

Waveguide Bends and Twist

Pressure Window
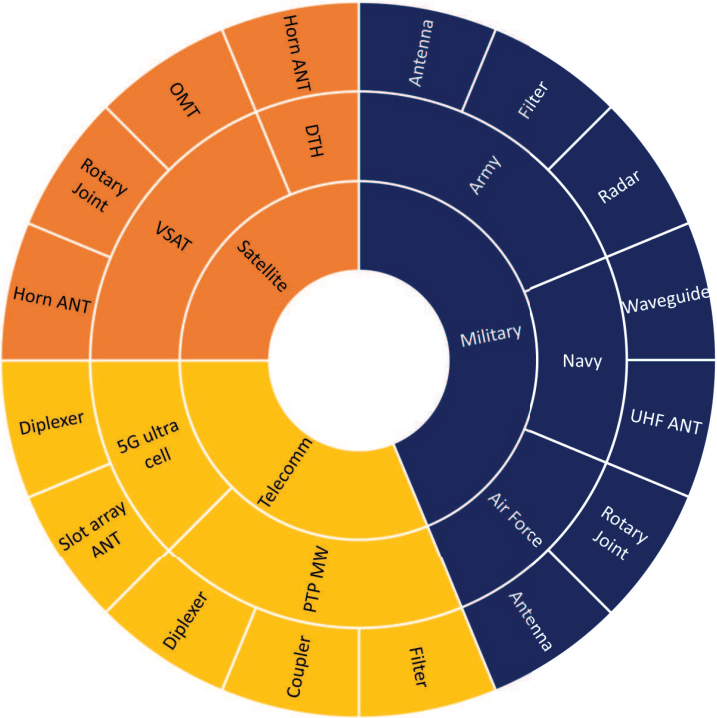
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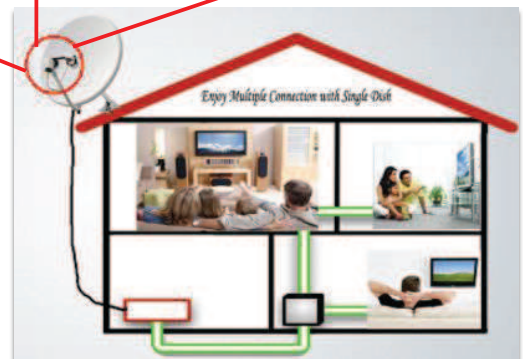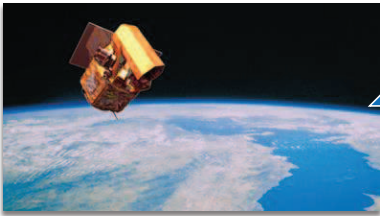
Satellite

- Product:
  - Universal LNBF
  - Rocket LNBF
  - Monoblock
  - dCSS LNBF
  - Antenna

- Achievement:
  - The World's first launch SAT>IP LNB for Flat Antenna
  - Operators' certified partner in Europe, ME, SE Asia and LATAM countries

Twin LNBF

Monoblock LNBF 4.3°/6° Series
Single/Twin/Quad Outputs

Enjoy Multiple Connection with Single Dish

Satellite

Application: FORMOSAT Space Satellite No. 1 to No. 7

Product: S-Band Helix and X-Band Antenna ,Diplexer

Achievement: The only space qualified and local certified partner supplying satellite antennas to NSPO Taiwan and export to Dubai, Singapore and Korea

Application: 3.7M S-Band TT&C Satellite Ground Station

Product: TT&C Satellite Ground Station System, include ACU, Pedestal, and S-Band feed horn system

Achievement: The first 100% Taiwan-made Satellite Ground Station System

Defense

X-Band Acquisition and Tracking Radar

WR90 Dual Channel Rotary Joint

WR90 Four Channel Rotary Joint
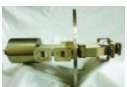
WR90 Three Channel Rotary Joint
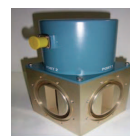
X-Band ESA Radar Truck

4 Channel Rotary Joint with
48 Ways Slip Ring Portfolio

S-Band ESA Radar Truck

WR284 4 Port High Power Circulator

WR284 Single Channel Rotary Joint
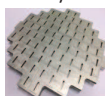
WR284 High Power Dummy Load

WR284 Power Switch

Defense

Anti-Tactical Ballistic Missile
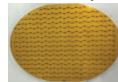
Dual Axis Rotary Joint
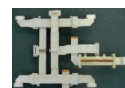
Slot Array Antenna

F-CK-1 Fighter Jet

X-Band Slot Array Antenna

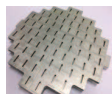X-Band Mono-Pulse Comparator

X-Band High Power Circulator

Anti-Ship Missile

WR51 U-Type Rotary Joint

Slot Array Antenna

Medium Range Air-to-Air Missile

X-Band Patch Antenna

X-Band Miniature Antenna

X-Band High Temperature Antenna

Communication

SATCOM

Ku-Band Pass Filter with Isolator - Waveguide

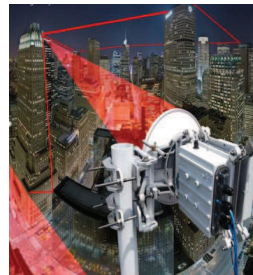Ku-Band Receive Rejection Filter

Ku-Band Rotary Joint with OMT Network

- Application:
  - VSAT System
  - Satellite Uplink
  - Waveguide
- Products:
  1. Feed Horn
  2. OMT
  3. Filter
  4. Load
  5. Bend/Twist

Point to point radio ODU from 13GHz to 90GHz

E-Band Diplexer

Feed Antenna

Hybrid coupler

23GHz Diplexer on Radio
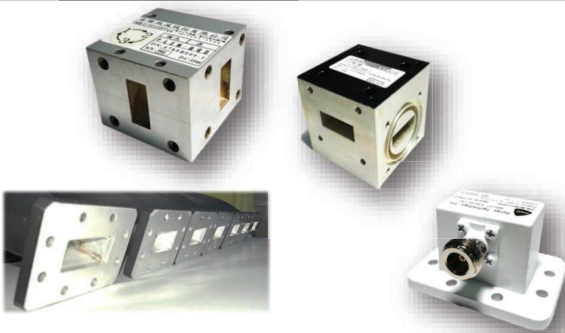
90GHz Isolator   OMT

- Application:
  - Point-to-Point Radio ODU from 13GHz to 90GHz

- Products:
  1. Feed Antenna
  2. Up to 90GHz Diplexer
  3. Hybrid Coupler

Communication

- Application:
  - Monitoring
  - Signal Routing
  - Device Mismatch Protection
- Products:
  - Cross Guide Coupler
  - Circulator
  - N-Type Adapter

- Application:
  - Earth Station Antenna
  - Satellite Uplink
  - SOTM
  - ATC / Weather Radar
- Products:
  - Multi Channel Rotary Joint
  - Waveguide Bend and Twist
  - WR28 to WR284 EIA