Low + Mid Tri-Sector with Internal RET

(1x) 698-960 MHz
(2x) 1710-2690 MHz

3 x (6-Port)

DO15X65V12D18TRI

Features & Applications

- Tri-Sector with Internal RET antenna
- 2-port x 698-960 MHz, 4-port x 1710-2690 MHz
- H 65˚ / V 6.5˚
- Gain : 15 dBi / 17 dBi

ELECTRICAL SPECIFICATIONS				
Port Information	-	R1		
Frequency Range	(MHz)	**698-806**	**790-862**	**880-960**
Gain (Mid Tilt)	(dBi)	15.3	15.4	15.1
Horizontal Pattern				
Azimuth Beam width	(°)	73		74
Front-to-Back Ratio	(dB)	20	22	20
Cross Polar Discrimination at Boresight	(dB)		17	
Vertical Pattern				
Elevation Beam width	(°)	11.5	10.5	10
First Upper Side Lobe Suppression	(dB)		15	
Electrical Down tilt continuously adjustable	(°)		2-12	

ELECTRICAL SPECIFICATIONS						
Port Information	-	R1				
Frequency Range	(MHz)	**1710-1880**	**1850-1990**	**1920-2170**	**2300-2400**	**2500-2690**
Gain (Mid Tilt)	(dBi)	16.2	16.6	16.8	16.7	16.7
Horizontal Pattern						
Azimuth Beam width	(°)	72	64	63	69	72
Front-to-Back Ratio	(dB)	23	24	24	24	20
Cross Polar Discrimination at Boresight	(dB)		18		15	15
Vertical Pattern						
Elevation Beam width	(°)	7.1	6.4	6.1	5.4	4.8
First Upper Side Lobe Suppression	(dB)			15		
Electrical Down tilt continuously adjustable	(°)			2-12		

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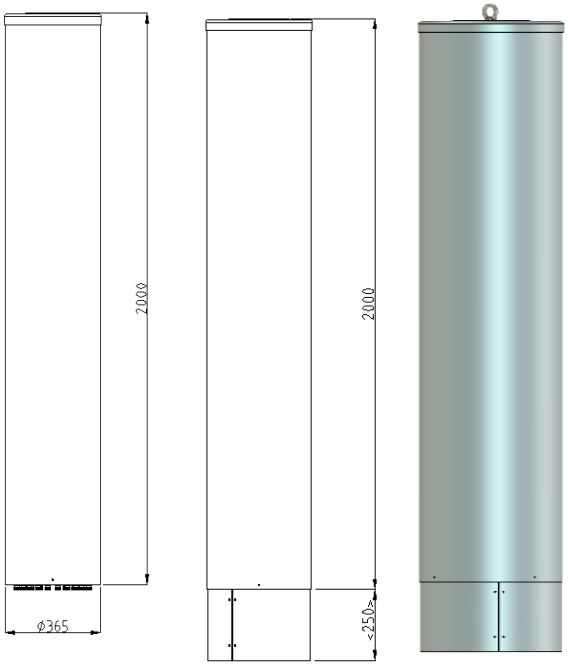
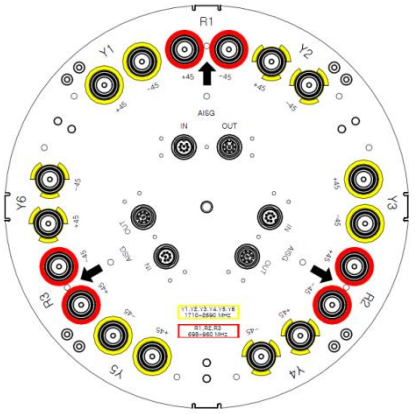
GENERAL SPECIFICATIONS		
Isolation	(dB)	>25
Inter Band Isolation	(dB)	>30
VSWR	-	1.5 : 1
Polarization	(°)	±45
Intermodulation IM3	(dBc)	-153(2 x 43 dBm Carrier)
Impedance	(Ω)	50
Max. Effective Power per Port	(Watts)	250

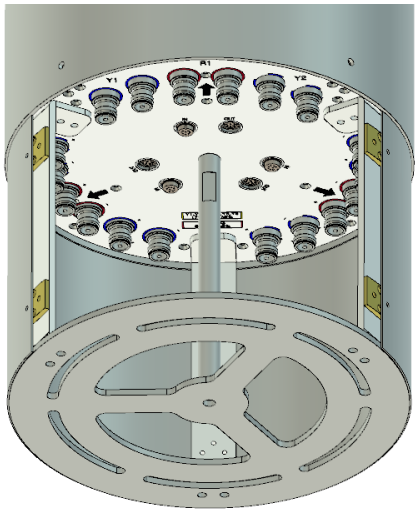
Mechanical Dimensions

Outline



Back side





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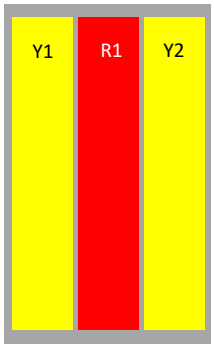
MECHANICAL SPECIFICATIONS		
Connector Type & Quantity	-	18 x 4.3-10 Female
Connector Position	-	Bottom
Antenna Dimension (H x D)	(inch / mm)	Ø 14.3 x 78.7 x 9.8 / Ø 365 x 2000 x 250
Weight (without Mounting Kit)	(lb / kg)	99.2 / 45
Wind Load (@100 mph)	(N)	Front 970, Side 970, Rear 970
Max.Wind Speed (Survival Wind Speed)	(km/s)	150
Radome (Color)	-	FRP (Gray)

Remote Electrical Tilt (RET)		
Internal RET	-	ACS-RM800(internal replaceable RET)
Protocol	-	3GPP/AISG 2.0

Array Information



Array	Frequency(MHz)	Connectors
R1	698-960	1-2
Y1-Y2	1710-2690	3-6

16-Port 3.5G(8T8R)+Mid(8T8R)

(4x) 1710-2690 MHz
(4x) 3400-3800 MHz

16-Port

Internal RET (Remote Electrical Tilting device)

Features & Applications

· Remote Electrical Tilting device for Multi/Single antennas with electrical down-tilt
· Firmware updatable & Flexibly change mode(Multi or Single)
· Compliant to AISG 2.0 / 3GPP
· Compact size
· Max. 5 channel antenna control supports (Motors for titling are included)

Technical Specification	
Protocols	Compliant to AISG 2.0 / 3GPP
Input voltage range	+10 ~ +30VDC (pin 6)
Power consumption	< 2W (stand by); < 13W (motor activated)
Connectors (AISG)	2x8Pin Connector (IEC60130-9) According to AISG connect type：Male is input Female is output (Male/Female can be input and output)
Hardware interface (AISG)	RS485A/B (pin5/pin3); Power supply (pin6); DC return (pin7) Acc. to AISG
Adjustment time (full range)	10~120 Seconds (typical 40S, Depends different Antenna)
Temperature range	-40 ~ +70℃
Protection class	IP65
Adjustment Cycles	10000 times
Housing material	Body: Al (Electrophoresis)
Weight	<945g

Thank you for your Consideration !

gamma nu
PIM FREE ANTENNA

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