

Features

- wideband, 50 to 1500 MHz
- low mainline loss, 0.5 dB typ.
- good VSWR,

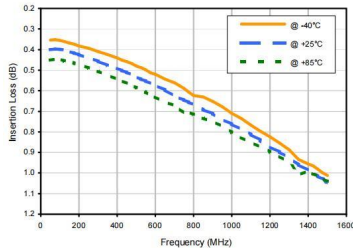
Applications

- military mobile

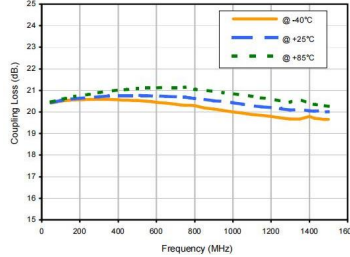
Typical Performance Data (25°C)

FREQUENCY (MHz)	Mainline Loss (dB) IN-OUT	Coupling (dB) In-Cpl Fwd	Return Loss (dB)	
			In	Cpl Fwd
50.0	-0.47	-20.54	-25.687	-28.525
200.0	-0.47	-20.63	-28.138	-29.830
500.0	-0.58	-21.10	-28.525	-29.327
750.0	-0.70	-21.16	-29.858	-27.830
900.0	-0.75	-20.95	-25.413	-25.327
1000.0	-0.81	-20.84	-24.830	-25.248
1200.0	-0.90	-20.60	-24.327	-26.006
1400.0	-0.97	-20.39	-26.189	-27.830
1500.0	-1.04	-20.26	-25.463	-25.327

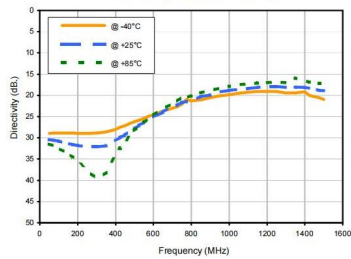
Insertion Loss vs. TEMPERATURE



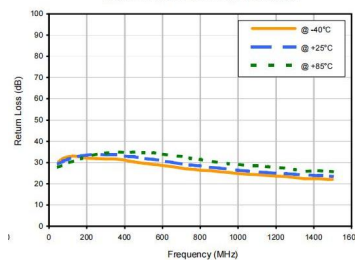
Coupling Loss vs. TEMPERATURE



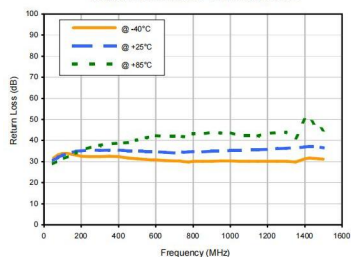
Directivity vs. TEMPERATURE



Return Loss In vs. TEMPERATURE



Return Loss Out vs. TEMPERATURE



Maximum Ratings

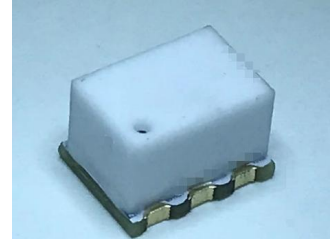
Operating Temperature -40°C to 80°C

Storage Temperature -40°C to 100°C

RF Power 1W

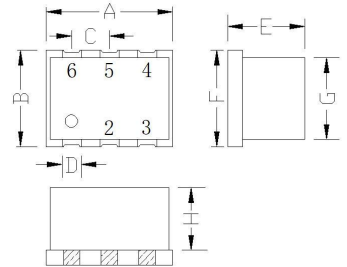
Permanent damage may occur if any of these limits are exceeded.

YT-JDC-20-5



50Ω 50 to 1500 MHz

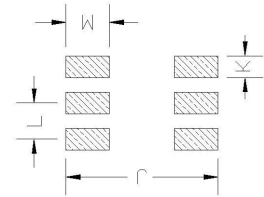
Outline Drawing



Pin Connections

Input	1
Output	6
Coupled (Forward)	3
50 OHM TERM EXTERNAL	4
Ground	2.5

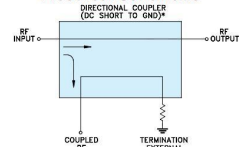
PCB Land Pattern



Outline Dimensions: Unit (mm) ±0.15

A	8.60	J	8.00
B	6.50	K	1.50
C	2.54	G	5.50
D	1.30	H	4.30
E	5.30	L	2.54
F	6.50	M	1.80
WT	0.5g		

Electrical Schematic



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For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com