EQYT-15-24
Preliminary Datasheet
Gain Equalizer 15dB 50Ω 6-20GHz

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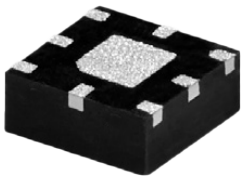
Features

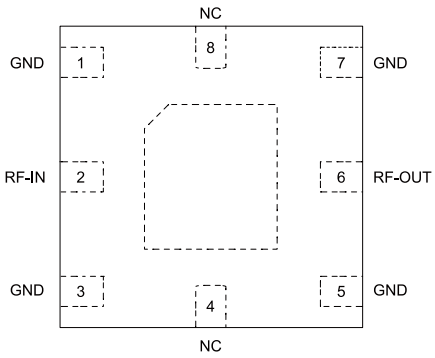
- 15.7 dB Slope
- Positive Insertion Loss Slope vs. Frequency
- Wideband operation, 6 to 20 GHz
- Excellent Power Handling Capability
- Small Size and simple to use (2.5 mm x 2.5 mm)
- Human Body Model (HBM): Class 1C (1000 to <2000V)



RoHS

REACH COMPLIANT

TOP VIEW



Applications

- Fixed Satellite
- Military Systems
- ELINT
- EW
- ECM

Electrical specifications at 25℃

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		6		20	GHz
Insertion Loss	6	15.3	17.0	18.6	dB
	10	9.7	10.9	11.9	
	14	4.8	5.6	6.0	
	18	-	2.2	-	
	20	-	1.3	-	
VSWR)	6-10	-	1.22	-	:1
	10-14	-	1.19	-	
	14-18	-	1.25	-	
	18-20	-	1.22	-	
Input RF Power	31				dBm
Operating & Storage Condition Operation Temperature Range: -55℃ ~ +105℃ Storage Temperature Range: -65℃ ~ +150℃					

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

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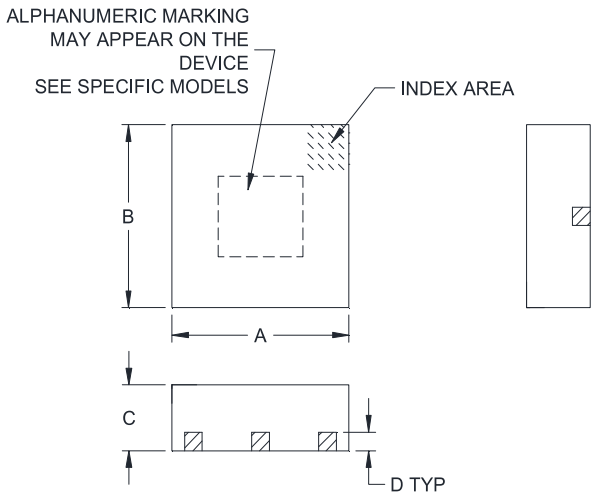
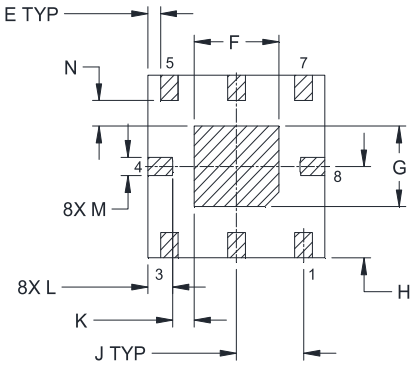
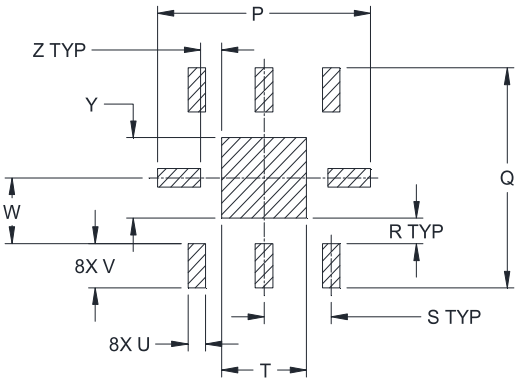
Outline Drawing





BOTTOM VIEW

PCB Land Pattern



SUGGESTED LAYOUT
FOR PCB LAND PATTERN
PATTERN TO BE WITHIN ±.002

METALLIZATION

A	B	C	D	E	F	G	H	J	K	L	M
.098 (2.50)	.098 (2.50)	.035 (.90)	.010 (.25)	.007 (.18)	.047 (1.20)	.043 (1.10)	.049 (1.25)	.037 (.95)	.012 (.30)	.014 (.35)	.010 (.25)
N	P	Q	R	S	T	U	V	W	Y	Z	WEIGHT (GRAMS)
.014 (.35)	.118 (3.01)	.118 (3.01)	.014 (.35)	.037 (.95)	.047 (1.20)	.010 (.25)	.024 (.60)	.035 (.90)	.043 (1.10)	.012 (.30)	0.016

Units= inches (mm)

Tolerances=±.005 (±.13)

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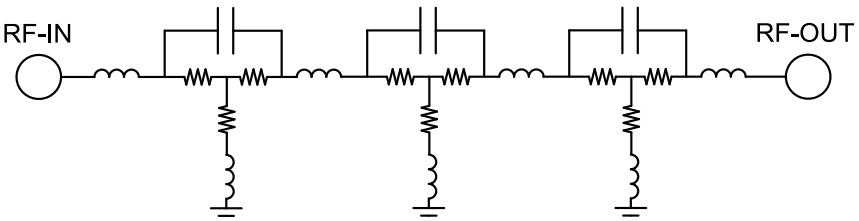
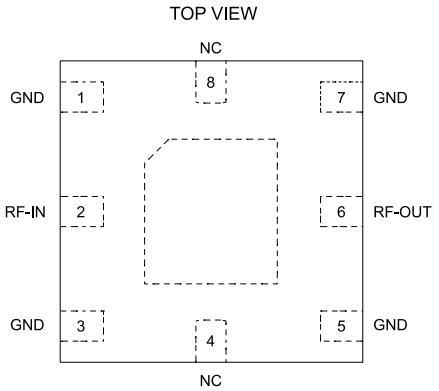
Simplified Schematic And Pad Description





Function	Pad Number	Description
RF-IN	2	RF-Input pad
RF-OUT	6	RF-Output pad
NC	4,8	No Connection Connects to ground on TB
GND	1,3,5,7 & Paddle	Ground

Characterization Test Circuit