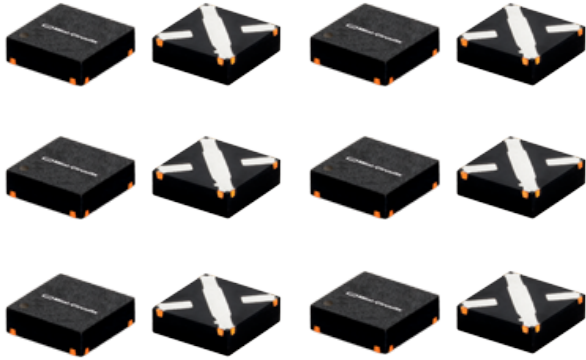




DESIGNER'S KIT K3-GAT+

Fixed Attenuators

50Ω DC to 8GHz



FEATURES

- Wideband, 50Ω
- Input power 0.5W max.
- 0 to 30dB attenuation
- Excellent VSWR, 1.15:1 typ.
- Usable to 10GHz
- MCLP™ (Mini-Circuits Leadless Package)
- Miniature plastic case
(L) 3.0 x (W) 3.0 x (H) 0.89 mm

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K3-GAT+ ELECTRICAL SPECIFICATIONS

(15 models, 5 of each, 75 total)

Model	Frequency (GHz) f _L -f _U	Attenuation (dB)				VSWR (:1)					Input Power ² (W) Max.
		Flatness ¹									
		Nom.	DC-1GHz Typ.	1-5GHz* Typ.	5-8GHz Typ.	DC-1GHz Typ.	Max.	1-5GHz* Typ.	Max.	5-8GHz Typ.	
GAT-0+	DC-8	0±0.2	0.1	0.2	0.2	1.05	1.2	1.15	1.35	1.25	0.5
GAT-1+	DC-8	1±0.2	0.1	0.2	0.2	1.05	1.2	1.15	1.3	1.3	0.5
GAT-2+	DC-8	2±0.2	0.1	0.2	0.2	1.05	1.2	1.15	1.3	1.3	0.5
GAT-3+	DC-8	3±0.3	0.1	0.2	0.2	1.05	1.2	1.15	1.3	1.35	0.5
GAT-4+	DC-8	4±0.3	0.1	0.2	0.2	1.05	1.2	1.15	1.3	1.35	0.5
GAT-5+	DC-8	5±0.3	0.1	0.2	0.2	1.05	1.2	1.15	1.3	1.35	0.5
GAT-6+	DC-8	6±0.3	0.1	0.2	0.3	1.05	1.2	1.15	1.3	1.35	0.5
GAT-7+	DC-8	7±0.3	0.1	0.2	0.3	1.05	1.2	1.15	1.3	1.35	0.5
GAT-8+	DC-8	8±0.4	0.1	0.2	0.3	1.05	1.2	1.15	1.3	1.35	0.5
GAT-9+	DC-8	9±0.4	0.1	0.2	0.3	1.05	1.2	1.15	1.3	1.3	0.5
GAT-10+	DC-8	10±0.4	0.15	0.2	0.3	1.05	1.2	1.15	1.3	1.3	0.5
GAT-12+	DC-8	12±0.4	0.15	0.2	0.3	1.05	1.2	1.15	1.3	1.3	0.5
GAT-15+	DC-8	15±0.4	0.15	0.3	0.3	1.05	1.2	1.15	1.3	1.35	0.5
GAT-20+	DC-8	20±0.4	0.15	0.2	0.2	1.05	1.2	1.15	1.3	1.35	0.5
GAT-30+	DC-3	30±0.9	0.5	1.2	—	1.05	1.2	1.15	1.3	—	0.5

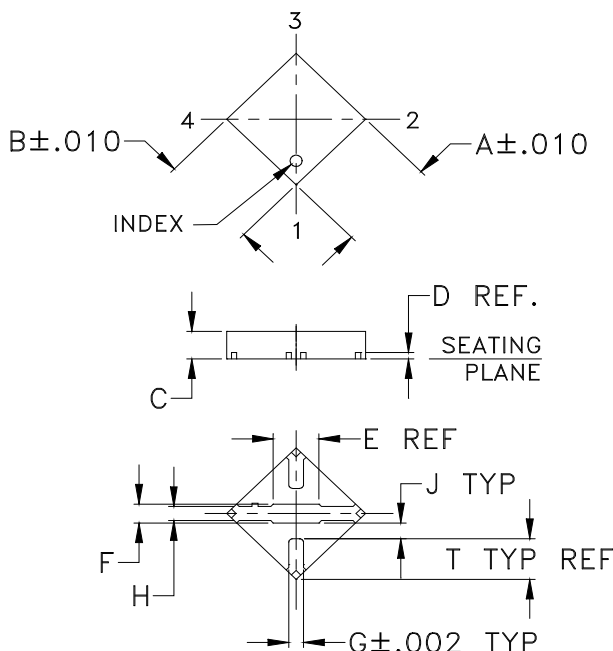
* 1-3GHz for GAT-30+

¹. Flatness=variation overband divided by 2.

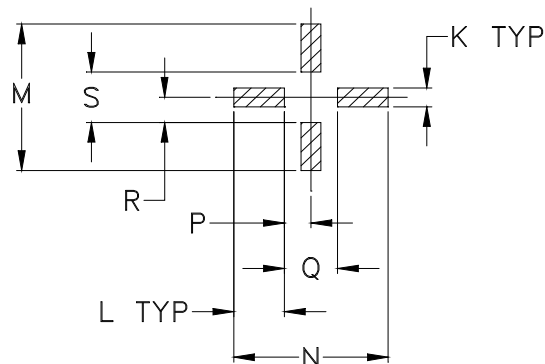
². RF power at 25°C case temperature: 1/2W. Derate linearly to 0.2W at 85°C.



Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm.002$

CASE #	A	B	C	D	E	F	G	H	J	K	L	M	N	P
FG873	.118 (3.00)	.118 (3.00)	.035 (0.89)	.008 (0.20)	.07 (1.78)	.024 (0.60)	.017 (0.43)	.018 (0.46)	.021 (0.52)	.024 (0.61)	.061 (1.55)	.186 (4.72)	.186 (4.72)	.032 (0.81)

CASE #	Q	R	S	T	WT. GRAM
FG873	.064 (1.63)	.032 (0.81)	.064 (1.63)	.050 (1.27)	.02

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3Pl. $\pm .004$

Notes:

- Case material: Plastic.
- Termination finish:
For RoHS Case Styles: Tin-Silver alloy plate over Nickel barrier or Matte-Tin per Data Sheet.
All models, (+) suffix.
For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.



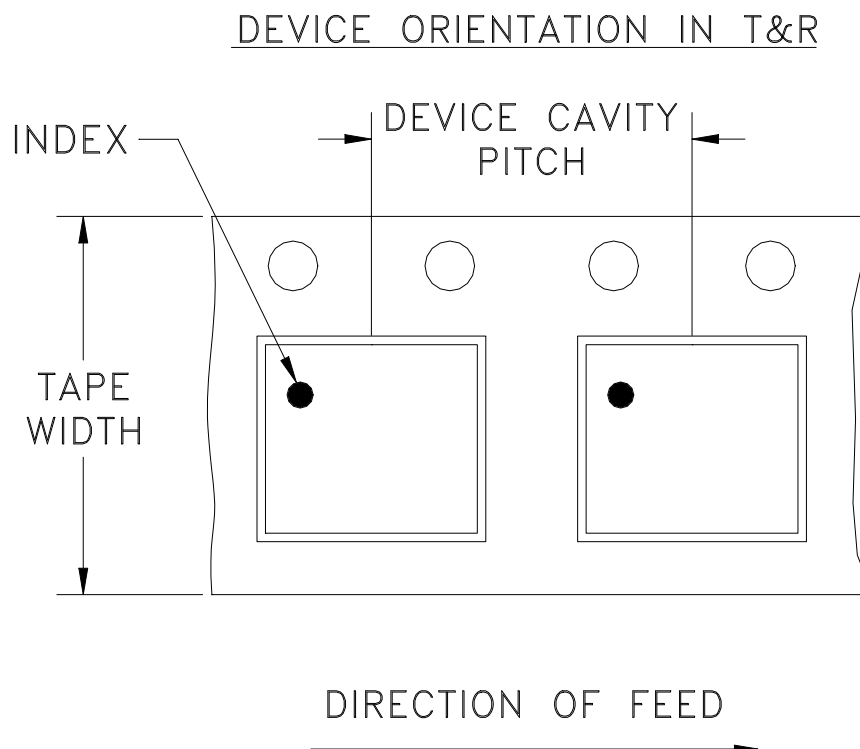
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RF/IF MICROWAVE COMPONENTS

Tape & Reel Packaging TR-F68



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel see note	
12	8	7	Small quantity standard	20
				50
				100
				200
				500
		7	Standard	1000
		13	Standard	2000
				3000
				4000

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

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