



DESIGNER'S KIT K-SCF+

Low Pass Filters

50Ω DC to 420 MHz



FEATURES

- Wideband, 50Ω
- Wide selection of cut-off frequencies
- Excellent rejection
- Tough plastic case (L) 0.75" x (W) 0.38" x (H) 0.28"

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K-SCF+ ELECTRICAL SPECIFICATIONS

(kit includes 7 models, 1 of each, 7 total)

Model	Passband (MHz)	fco, (MHz) Nom. (loss 3dB) Typ.	Stopband (MHz)		VSWR (:1)		Power Input ² (W) Max.
	(loss < 1dB)		(loss > 20dB)	(loss > 40dB)	Passband Typ.	Stopband Typ.	
SCLF-21.4+	DC-22	24.5	32-41	41-200	1.7	18	0.5
SCLF-30+	DC-30	35	47-61	61-200	1.7	18	0.5
SCLF-45+	DC-45	55	70-90	90-200	1.7	18	0.5
SCLF-135+	DC-135	155	210-300	300-600	1.7	18	0.5
SCLF-190+	DC-190	210	290-390	390-800	1.7	18	0.5
SCLF-380+	DC-380	440	580-750	750-1800*	1.7	18	0.5
SCLF-420+	DC-420	570	750-920	920-2000*	1.7	18	0.5

* 35dB for SCLF-380+, SCLF-420+

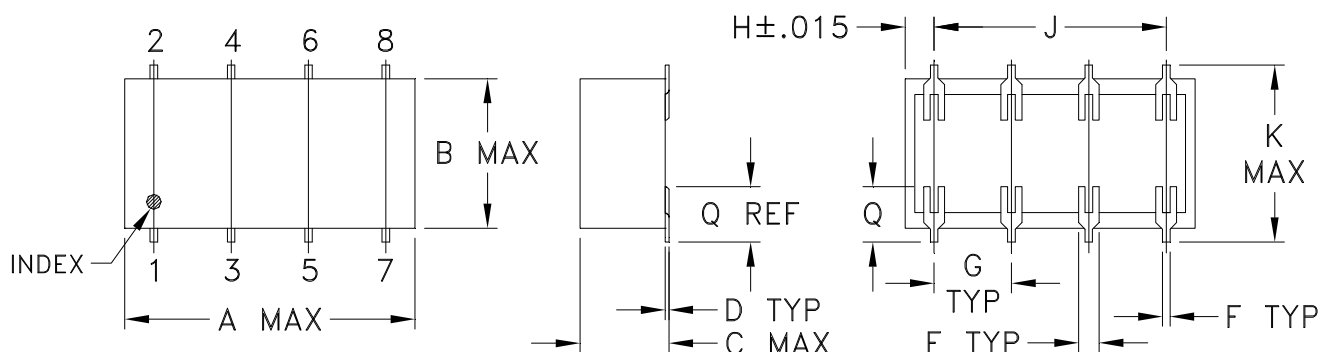


Case Style

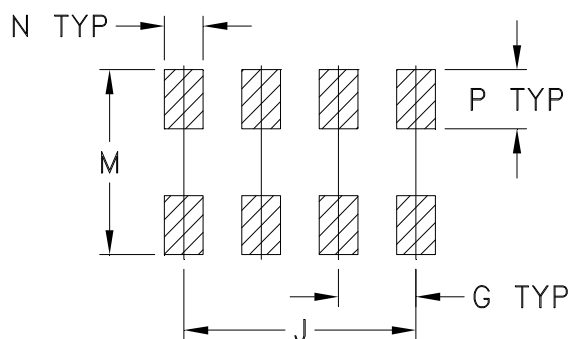
YY

Outline Dimensions

YY101
YY109
YY161



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	Q	WT. GRAM S
YY101*			.20 (5.08)							.450 (11.43)	--	.470 (11.94)				1.6
YY109*	.75 (19.05)	.38 (9.65)	.20 (5.08)	.010 (0.25)	.050 (1.27)	.020 (0.51)	.200 (5.08)	.075 (1.91)	.600 (15.24)	.720 (18.29)	--	.740 (18.80)	.100 (2.54)	.150 (3.81)	.148 (3.76)	1.6
YY161			.28 (7.11)							.450 (11.43)	--	.470 (11.94)				1.6

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3 Pl. $\pm .005$

Notes:

- Case material: Plastic.
- Termination finish:
For RoHS Case Styles: Tin plate over Nickel plate.
For RoHS-5 Case Styles: Tin-Lead plate.
- Special Tolerances: Termination thickness $\pm .003$ inch.
- * Denotes: For SCM mixers, long termination version (case YY109) is available upon request, consult factory. To order short termination version (case YY101) add -NL suffix.



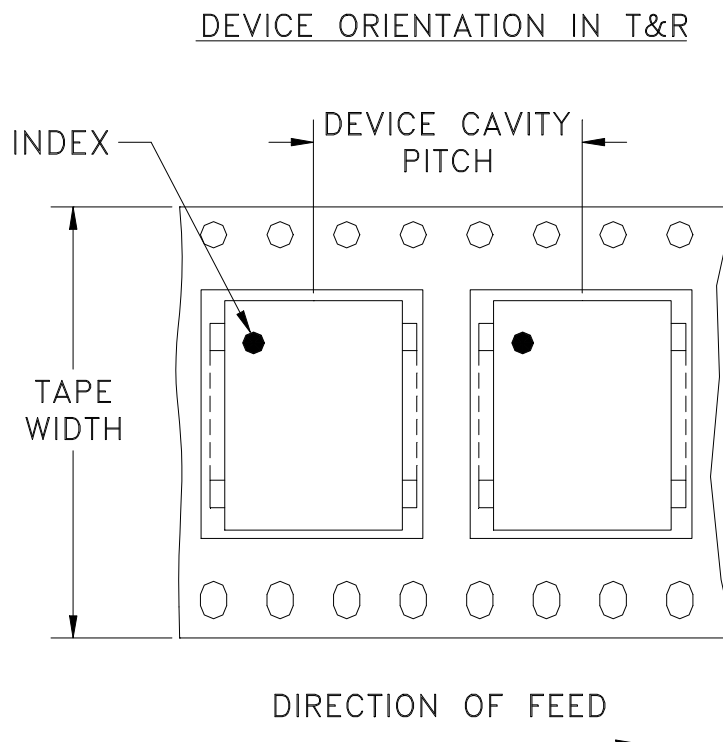
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Mini-Circuits ISO 9001 & ISO 14001 Certified

Tape & Reel Packaging TR-F5



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel
32	16	13	500

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.

Go to: www.minicircuits.com/pages/pdfs/tape.pdf



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