TCM4-19+

 50Ω

10 to 1900 MHz

Features

- wide bandwidth, 10 to 1900 MHz
- balanced transmission line with secondary center tap
- plastic base with solder plated leads
- aqueous washable

Applications • PCS

- cellular



Generic photo used for illustration purposes only

CASE STYLE: DB714

+RoHS Compliant The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications



Electrical Specifications

Parameter	Frequency (MHz)	Min.	Тур.	Max.	Unit	
Impedance Ratio (secondary/primary)			4		Ohm	
Frequency Range		10		1900	MHz	
	10 - 1900		3			
Insertion Loss*	20 - 1000		2		dB	
	30 - 700		1			
Disease Links deserve	30 - 700		4			
Phase Unbalance	20 - 1000		6		Deg.	
Association of the state of	30 - 700		0.3		dB	
Amplitude Unbalance	20 - 1000		0.5			

^{*} Insertion Loss is referenced to mid-band loss, 1.0 dB typ. Measure back to back

Maximum Ratings

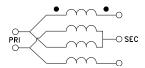
Parameter	Ratings		
Operating Temperature	-20°C to 85°C		
Storage Temperature	-55°C to 100°C		
RF Power	0.25W		
DC Current	30mA		

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

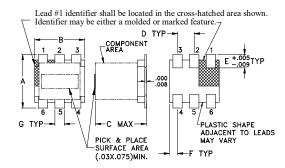
Pin Connections

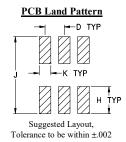
Function	Pin Number			
PRIMARY DOT	6			
PRIMARY	4			
SECONDARY DOT	3			
SECONDARY	1			
SECONDARY CT	2			
NOT USED	5			





Outline Drawing

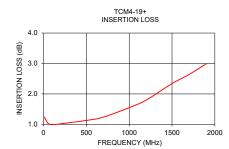


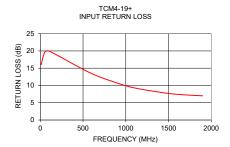


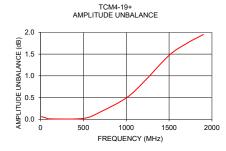
Outline Dimensions (inch)

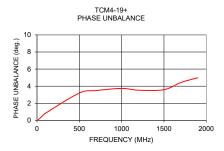
F	Е	D	С	В	Α
.025	.040	.050	.160	.150	.160
0.64	1.02	1.27	4.06	3.81	4.06
wt		K	J	н	G
grams		.030	.190	.065	.028
0.45		0.70	4.00	4.05	0.74

Frequency (MHz)	Insertion Loss (dB)	Input R. Loss (dB)	Amplitude Unbalance (dB)	Phase Unbalance (Deg.)
10	1.24	16.03	0.06	0.03
50	1.04	19.54	0.04	0.39
100	0.99	19.98	0.01	0.83
500	1.13	14.68	0.02	3.20
700	1.24	12.43	0.17	3.49
1000	1.55	9.92	0.49	3.74
1200	1.80	8.83	0.85	3.53
1500	2.34	7.69	1.47	3.59
1700	2.64	7.26	1.74	4.43
1900	2.99	7.01	1.95	4.99









- Additional Notes

 A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- A. Perioritance and quanty attributes and continuous and continuous and expressly stated in it has specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

 C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

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