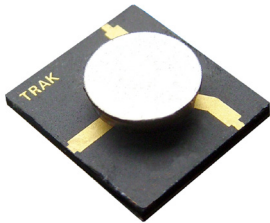


Low power microstrip circulators

C6786/A, C7696/A, C7291/A and C94118/A



The C6786/A, C7696/A, C7291/A and C94118/A low power microstrip circulators were designed to be used in a next generation GEO HTTP satellite and in a filter demultiplexer application. They are intended to be used within a hybrid construction and must be wire bonded into the user's circuit. Key performance requirements include electrical performance and operating bandwidth.

Specifications

Low Power Microstrip	Performance			
Part Number	C6786/A	C7696/A	C7291/A	C94118/A
Function	Circulator	Circulator	Circulator	Circulator
ICD	B108439	B108421	B108418	B108424
Non-operating	-65 to +180C	-65 to +180C	-65 to +180C	-65 to +180C
Acceptance	-45 to +85C	-45 to +85C	-45 to +85C	-45 to +85C
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Operating Frequency	6.7 to 8.6 GHz	7.7 to 9.6 GHz	7.2 to 9.1 GHz	9.4 to 11.8 GHz
Insertion Loss	0.35dB	0.35dB	0.35dB	0.35dB
Return Loss	20 dB min	20 dB min	20 dB min	20 dB min
Isolation	not applicable	not applicable	not applicable	not applicable
Power handling	2W CW	2W CW	2W CW	2W CW
Mass	<0.5g nom	<0.5g nom	<0.5g nom	<0.5g nom
Resistance to case	>1 M Ohm	>1 M Ohm	>1 M Ohm	>1 M Ohm
Port arrangement	T	T	T	T
Environment	Space, hybrid application	Space, hybrid application	Space, hybrid application	Space, hybrid application