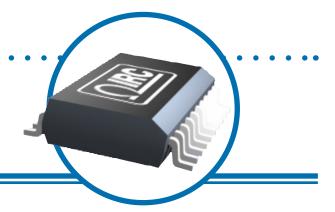
TaNCap® T-Filter **Network**





- · Improves signal quality
- High frequency design available
- RoHS compliant and Sn/Pb terminations available
- Reduces unwanted signals while improving signal quality
- Proven TaNCap® technology available in QSOP, SOIC, and TSSOP packages



IRC's TaNCap® T-filter networks are designed for the most demanding low pass filter applications. These TaNSil® technology thin film networks offer attenuation of high frequency signal components with minimal inductive effects. EMI/RFI reduction, improved signal quality and reduction of false triggers in digital circuits while minimizing insertion loss are characteristics of these silicon based filter networks.

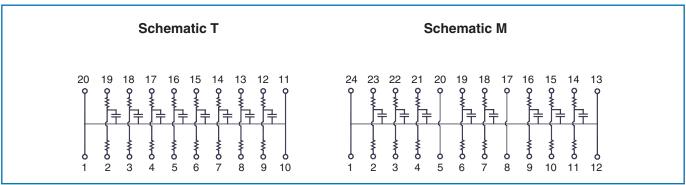
The SOIC, QSOP, and TSSOP packages offer a high level of integration in today's most popular surface mount configurations. Up to 24 discrete components are replaced by one T-filter network.

The TaNCap® series of resistor-capacitor networks are manufactured using IRC's military and space proven tantalum nitride thin film technology. For high reliability combined with superior performance, use IRC TaNCap® T-Filter Networks for your most demanding, high speed analog and digital designs.

Electrical Data

	Range	Tolerance (%)	Breakdown Voltage (volts)	TCR (ppm/°C)	Max. Power Dissipation (watts)	Operating Temp. Range (°C)
Resistors	10 Ω to 100 Ω	±10	N/A	±100	0.1 per resistor	
Capacitors	10pF to 33pF	±20	200 to 100	N/A	N/A	-55 to +125
	34pF to 200pF	±10	100 to 25			

Schematic Data





IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.



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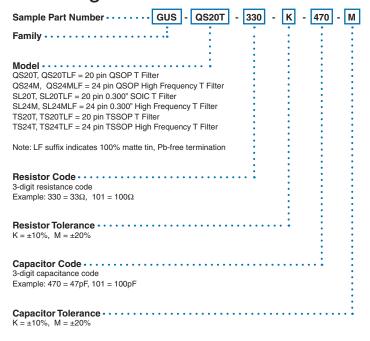
TaNCap® T-Filter Network



Physical Data

Model	Body Type	# Pins	Reference IRC Datasheet	
QS20x	QSOP	20	Surface Mount QSOP Termination Networks	
QS24x	QSOP	24		
SL20x	SOIC-W	20	Surface Mount SOIC Termination Networks	
SL24x	SOIC-W	24		
TS20x	TSSOP	20	Surface Mount TSSOP Termination Networks	
TS24x	TSSOP	24		

Ordering Data



Packaging Available

Tubes, Tape & Reel

For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.