ROGERS CORPORATION

RO3003G2™



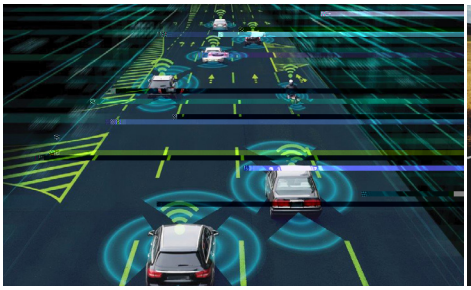
RO3003G2™ PTFE RO3003™

VLP ED 10GHz 77GHz 3.00 3.07 RO3003G2 5mil 77GHz 1.3dB/inch

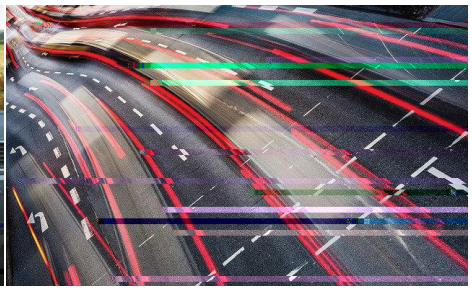
PTFE

“ RO3000® ”

- VLP ED
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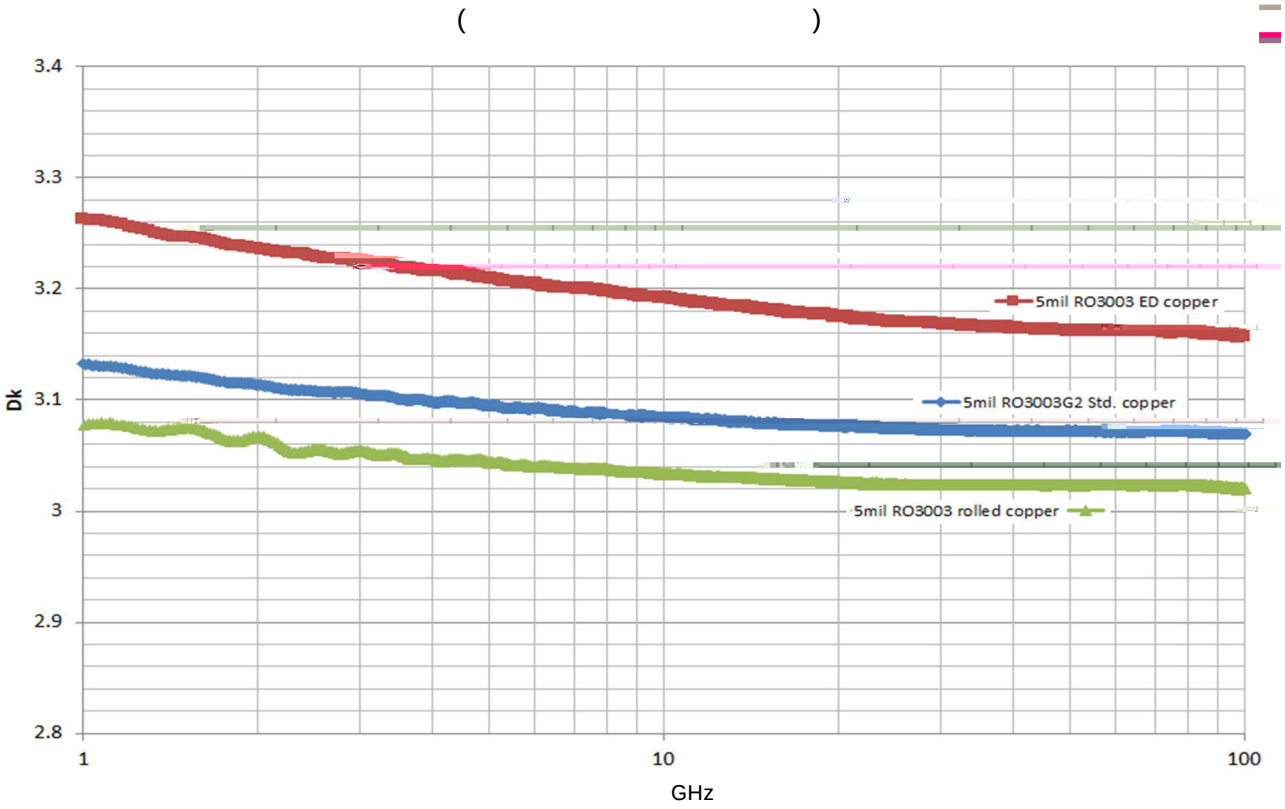




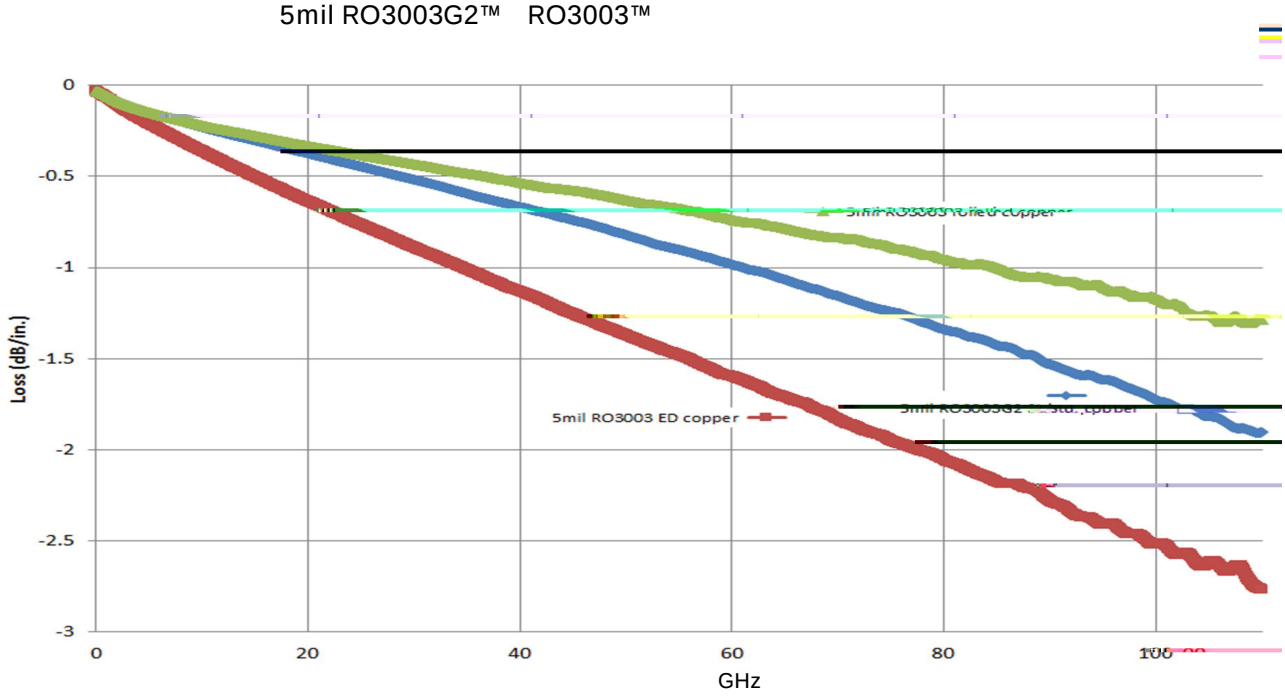


5mil RO3003G2™ RO3003™ Dk

( )



5mil RO3003G2™ RO3003™



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	[1]				
	RO3003G2		mils (mm)		
εr	3.00±0.04	Z	-	10GHz 23°C	IPC-TM-650 2.5.5.5
[2] εr	3.07	Z	-	77GHz	
tanδ	0.0011	Z	-	10GHz 23°C	IPC-TM-650 2.5.5.5
εr	-35	Z	ppm/°C	10GHz-50 150°C	IPC-TM-650 2.5.5.5
	-0.16 -0.14	X Y	mm/m	Method C	IPC-TM-650 2.2.4
	1.4 X 10^9	-	MΩ•cm	COND A	IPC 2.5.17.1
	2.6 X 10^8	-	MΩ	COND A	IPC 2.5.17.1
	378 396	X Y	Mpa	23	ASTM D638
	0.06	-	%	D48/50	IPC-TM-650 2.6.2.1
	0.73 0.83	Z	J/g/°K	0 50	ASTM E1269-11
	0.43	Z	W/m/°K	50	ASTM D5470
	16 17 18	X Y Z	ppm/°C	23 /50% RH	IPC-TM-650 2.4.41
Td	500	-	°C TGA	-	ASTM D3850
	2.15	-	gm/cm³	23	ASTM D792
	16.5	-	lb/in	½ oz. EDC	IPC-TM-2.4.8
	Pending	-	-	-	UL94
		-	-	-	-

[1]

[2] Dk

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Sq		
0.7µm sq	2.77	0.2µm

0.005 0.13 0.010 0.25	24X18 610 X457 24X21 610 X533	½ oz. (18µm) 1 oz. (35µm)

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RO3000 RO3003 RO3003G2 Helping power, protect, connect our world Rogers Corporation

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