

PRODUCT CHANGE NOTICE

PCN Form (D4-E000-73)

PCN24-057**NOTIFICATION DATE: August 12, 2024****MODELS AFFECTED**

QAT-2+

QAT-4+

EXTENT OF CHANGE:

Correction of published specifications, see change comparison tables on pages 2 and 3

EFFECT OF CHANGE:No change to **Fit** (dimensions), **Form** (appearance), or **Function** (performance)

NOTE: There is no change to the part

REASON FOR CHANGE:

Clerical and administrative error

EFFECTIVE DATE OF CHANGE:

Immediate, no change to parts

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FROM:

QAT-2+:

ELECTRICAL SPECIFICATIONS¹ AT 25°C, 50Ω, UNLESS NOTED OTHERWISE

Parameter	Condition (GHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC	—	50	GHz
Attenuation	0.01 - 5	—	0.1	0.4	dB
	5 - 10	—	0.2	0.5	
	10 - 20	—	0.3	0.9	
	20 - 30	—	0.4	1.1	
	30 - 40	—	0.6	—	
	40 - 50	—	0.9	—	
VSWR	0.01 - 5	—	1.05	1.4	:1
	5 - 10	—	1.12	1.4	
	10 - 20	—	1.18	1.8	
	20 - 30	—	1.30	—	
	30 - 40	—	1.26	—	
	40 - 50	—	1.39	—	

1. Tested on Mini-Circuits test board TB-QAT-2C+. See Characterization/Application Circuit in Fig. 1

TO:

ELECTRICAL SPECIFICATIONS¹ AT 25°C, 50Ω, UNLESS NOTED OTHERWISE

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency		DC	-	50	GHz
Attenuation	0.01 - 5	1.6	2.0	2.4	dB
	5 - 10	1.7	2.1	2.5	
	10 - 20	1.7	2.1	2.6	
	20 - 30	1.5	2.2	2.7	
	30 - 40	-	2.3	-	
	40 - 50	-	2.4	-	
VSWR	0.01 - 5	-	1.08	1.3	:1
	5 - 10	-	1.18	1.5	
	10 - 20	-	1.11	1.5	
	20 - 30	-	1.17	-	
	30 - 40	-	1.28	-	
	40 - 50	-	1.55	-	

1. Tested on Mini-Circuits test board TB-QAT-2C+. See Characterization/Application Circuit in Fig. 1

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FROM:**QAT-4+****ELECTRICAL SPECIFICATIONS¹ AT 25°C, 50Ω, UNLESS NOTED OTHERWISE**

Parameter	Condition (GHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC	—	50	GHz
Attenuation	0.01 - 5	2.6	3.0	3.3	dB
	5 - 10	2.5	3.1	3.4	
	10 - 20	2.5	3.1	3.8	
	20 - 30	2.5	3.3	3.8	
	30 - 40		3.1		
	40 - 50		3.0		
VSWR	0.01 - 5		1.15	1.4	:1
	5 - 10		1.16	1.4	
	10 - 20		1.17	1.6	
	20 - 30		1.21		
	30 - 40		1.22		
	40 - 50		1.37		

1. Tested on Mini-Circuits test board TB-QAT-4C+. See Characterization/Application Circuit in Fig. 1

TO:**ELECTRICAL SPECIFICATIONS¹ AT 25°C, 50Ω, UNLESS NOTED OTHERWISE**

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency		DC	-	50	GHz
Attenuation	0.01 - 5	3.6	4.1	4.3	dB
	5 - 10	3.6	4.1	4.4	
	10 - 20	3.6	4.0	4.4	
	20 - 30	3.6	4.1	4.6	
	30 - 40	-	4.00	-	
	40 - 50	-	3.9	-	
VSWR	0.01 - 5	-	1.13	1.4	:1
	5 - 10	-	1.19	1.5	
	10 - 20	-	1.11	1.5	
	20 - 30	-	1.16	-	
	30 - 40	-	1.25	-	
	40 - 50	-	1.37	-	

1. Tested on Mini-Circuits test board TB-QAT-4C+. See Characterization/Application Circuit in Fig. 1

QUESTIONS?**[PLEASE CONTACT US.](#)**