

Part number			TDS4B212MX	TDS4A212MX	
Package	Name		XQFN16		
	Size (mm)		2.4×1.6 (typ.), t=0.4 (max)		
Operating ranges (T _a =-40 to 85°C)	Supply voltage V _{CC} (V)		1.6 to 3.6		
	Signal pins differential voltage (peak to peak) V _{I/O(Diff)} (V)		0 to 1.8		
	Signal pins common mode voltage V _{I/O(Com)} (V)		0 to 2.0		
DC characteristics (T _a =-40 to 85°C)	Standby current I _{STB} (μA)	Max	10		
	Current consumption I _{ope} (μA)	Max	150		
High frequency characteristics (T _a =25°C)	-3-dB bandwidth (differential) BW _(Diff) (GHz)		Typ.	27.5	26.2
	Differential insertion loss DDIL (dB)	f=5.0GHz	Typ.	-0.8	-0.9
		f=8.0GHz		-0.9	-1.0
		f=10.0GHz		-0.9	-1.1
		f=12.8GHz		-1.2	-1.4
		f=16.0GHz		-1.4	-1.9
	Differential return loss DDRL (dB)	f=5.0GHz	Typ.	-17	-15
		f=8.0GHz		-15	-14
		f=10.0GHz		-20	-17
		f=12.8GHz		-17	-17
		f=16.0GHz		-16	-18
	Differential OFF isolation DDOIRR (dB)	f=5.0GHz	Typ.	-20	-20
		f=8.0GHz		-17	-19
		f=10.0GHz		-16	-17
		f=12.8GHz		-17	-12
		f=16.0GHz		-14	-11
	Differential crosstalk DDXT (dB)	f=5.0GHz	Typ.	-56	-36
		f=8.0GHz		-48	-34
		f=10.0GHz		-44	-32
		f=12.8GHz		-39	-31
f=16.0GHz		-36		-30	
Sample Check & Availability			Buy Online	Buy Online	