

**TAPE AND REEL INFORMATION**

**QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE**


\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
OPA2990IDDFR	SOT-23-THIN	DDF	8	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
OPA2990IDGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
OPA2990IDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
OPA2990IDRG4	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
OPA2990IDSGR	WSO	DSG	8	3000	180.0	8.4	2.3	2.3	1.15	4.0	8.0	Q2
OPA2990IDSGRG4	WSO	DSG	8	3000	180.0	8.4	2.3	2.3	1.15	4.0	8.0	Q2
OPA2990IPWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
OPA2990IPWRG4	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
OPA2990SIDGSR	VSSOP	DGS	10	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
OPA2990SIRUGR	X2QFN	RUG	10	3000	178.0	8.4	1.75	2.25	0.56	4.0	8.0	Q1
OPA2990TIDDFR	SOT-23-THIN	DDF	8	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q2
OPA4990IDR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
OPA4990IPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
OPA4990IRTER	WQFN	RTE	16	3000	330.0	12.4	3.3	3.3	1.1	8.0	12.0	Q2
OPA4990IRTERG4	WQFN	RTE	16	3000	330.0	12.4	3.3	3.3	1.1	8.0	12.0	Q2

Device	Package Type	Package Drawing	Pins	SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
OPA4990IRUCR	QFN	RUC	14	3000	180.0	9.5	2.16	2.16	0.5	4.0	8.0	Q2
OPA4990SIRTER	WQFN	RTE	16	3000	330.0	12.4	3.3	3.3	1.1	8.0	12.0	Q2
OPA990IDBVR	SOT-23	DBV	5	3000	178.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
OPA990IDBVRG4	SOT-23	DBV	5	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
OPA990IDCKR	SC70	DCK	5	3000	178.0	9.0	2.4	2.5	1.2	4.0	8.0	Q3
OPA990SIDBVR	SOT-23	DBV	6	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
OPA990SIDBVRG4	SOT-23	DBV	6	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
OPA2990IDDFR	SOT-23-THIN	DDF	8	3000	210.0	185.0	35.0
OPA2990IDGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
OPA2990IDR	SOIC	D	8	2500	353.0	353.0	32.0
OPA2990IDRG4	SOIC	D	8	2500	353.0	353.0	32.0
OPA2990IDSGR	WSON	DSG	8	3000	210.0	185.0	35.0
OPA2990IDSGRG4	WSON	DSG	8	3000	210.0	185.0	35.0
OPA2990IPWR	TSSOP	PW	8	2000	353.0	353.0	32.0
OPA2990IPWRG4	TSSOP	PW	8	2000	353.0	353.0	32.0
OPA2990SIDGSR	VSSOP	DGS	10	2500	366.0	364.0	50.0
OPA2990SIRUGR	X2QFN	RUG	10	3000	205.0	200.0	33.0
OPA2990TIDDFR	SOT-23-THIN	DDF	8	3000	210.0	185.0	35.0
OPA4990IDR	SOIC	D	14	2500	353.0	353.0	32.0
OPA4990IPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
OPA4990IRTER	WQFN	RTE	16	3000	367.0	367.0	35.0
OPA4990IRTERG4	WQFN	RTE	16	3000	367.0	367.0	35.0
OPA4990IRUCR	QFN	RUC	14	3000	205.0	200.0	30.0
OPA4990SIRTER	WQFN	RTE	16	3000	367.0	367.0	35.0
OPA990IDBVR	SOT-23	DBV	5	3000	208.0	191.0	35.0

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Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
OPA990IDBVRG4	SOT-23	DBV	5	3000	210.0	185.0	35.0
OPA990IDCKR	SC70	DCK	5	3000	190.0	190.0	30.0
OPA990SIDBVR	SOT-23	DBV	6	3000	210.0	185.0	35.0
OPA990SIDBVRG4	SOT-23	DBV	6	3000	210.0	185.0	35.0