



YAMAHA

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Hi-Fi Stereo

SERVICE NEWS

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INTRODUCTION OF SUBSTITUTE FOR MPSA-92

Purpose: The supply of MPSA-92 (iZ00070) has become difficult, the substitute will be supplied from now on.

Modification:

Original

Substitute

iZ00070 MPSA-92

iA109100 2SA1091 O.Y

Parts:

Part No.	Part name
IA109100	2SA1091 O.Y

ABSOLUTE MAXIMUM RATINGS / 絶対最大定格 (T = 25°C)

項目	SYMBOL	RATINGS	UNIT
コレクタベース間電圧	VCBO	-300	V
エミッタベース間電圧	VEBO	-8	V
コレクタエミッタ間電圧	VCEO	-300	V
コレクタ電流	IC	-100	mA
コレクタ損失	PC	400	mW
接合部温度	Tj	150	°C

ELECTRICAL CHARACTERISTICS / 電気的特性 (T = 25°C)

項目	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
コレクタ遮断電流	ICBO	VCB = -300V IE =			-0.1	μA
エミッタ遮断電流	IEBO	VEB = -8V IC =			-0.1	μA
コレクタベース降伏電圧	V(BR)CBO	IC = -0.1mA IE =	-300			V
エミッタベース降伏電圧	V(BR)EBO	IE = IC =				V
コレクタエミッタ降伏電圧	V(BR)CEO	IC = -1mA RE =	-300			V
コレクタエミッタ飽和電圧	VCE(Sat)	IC = -20mA IB = -2mA			-0.5	V
直流電流増幅率	hFE	VCE = -10V IC = -20mA	30		150	
遮断周波数	fT	VCE = -10V IE =	40	60		MHz
コレクタ出力容量	Cob	VCB = -20V f = 1MHz		6	8	pF

hFE CLASSIFICATION / hFE 区分

TYPE	hFE	PARTS No.
2SA1091 (o)	30 - 90	
2SA1091 (y)	50 - 150	

PACKAGE DIMENSIONS

