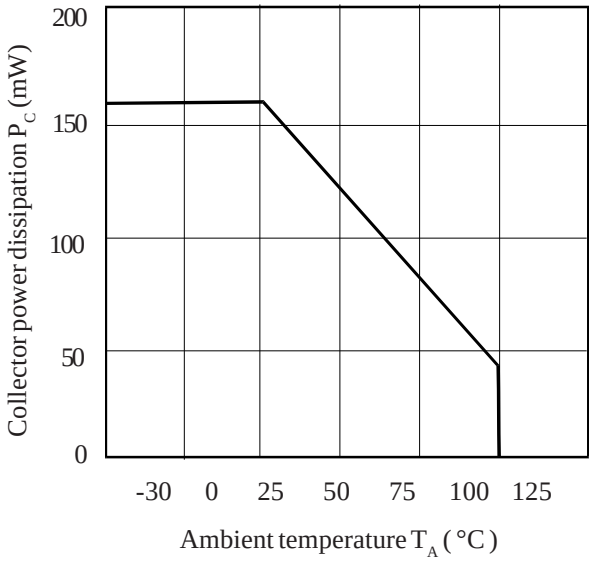
ELECTRICAL CHARACTERISTICS (T_A = 25°C Unless otherwise noted)

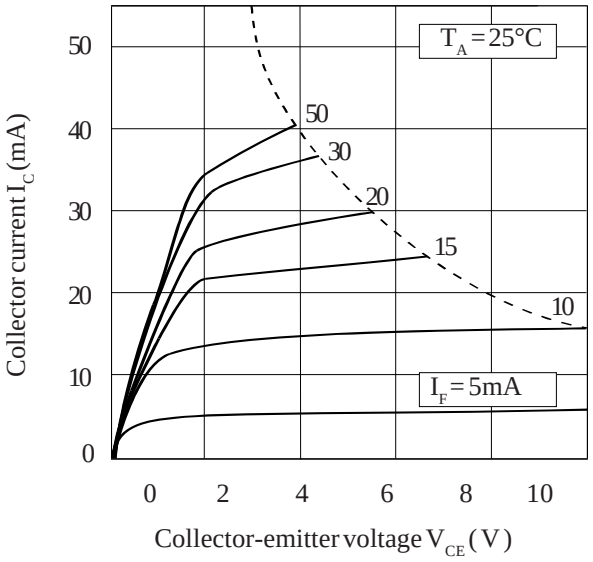
PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V_F)	1.0	1.15	1.5	V	I_F = 10mA
	Reverse Voltage (V_R)	6			V	I_R = 10µA
	Reverse Current (I_R)			10	µA	V_R = 6V
Output	Collector-emitter Breakdown (BV_{CEO}) (Note 2)	70			V	I_C = 1mA
	Emitter-collector Breakdown (BV_{ECO})	6			V	I_E = 100µA
	Collector-emitter Dark Current (I_{CEO})		1.0	50	nA	V_{CE} = 10V
Coupled	Output Collector Current I_C (CTR) (Note 2&3)					
	MOC8106	5.0(50)		15(150)	mA(%)	10mA I_F, 10V V_{CE}
	MOC8107	10(100)		30(300)	mA(%)	10mA I_F, 10V V_{CE}
	MOC8108	25(250)		60(600)	mA(%)	10mA I_F, 10V V_{CE}
	Collector-emitter Saturation Voltage $V_{CE(SAT)}$		0.15	0.4	V	5mA I_F, 0.5mA I_C
	Input to Output Isolation Voltage V_{ISO}	5300			V_{RMS}	See note 1
		7500			V_{PK}	See note 1
	Input-output Isolation Resistance R_{ISO}	$5x10^{10}$			Ω	V_{IO} = 500V (note 1)
	Turn-on Time ton		7.5	20	µs	V_{CC} = 10V,
	Turn-off Time toff		5.7	20	µs	I_C = 2mA, R_L = 100Ω
	Output Rise Time tr		3.2		µs	
	Output Fall Time tf		4.7		µs	

Note 1 Measured with input leads shorted together and output leads shorted together.
Note 2 Special Selections are available on request. Please consult the factory.
Note 3 Production testing - limits verified with pulse test

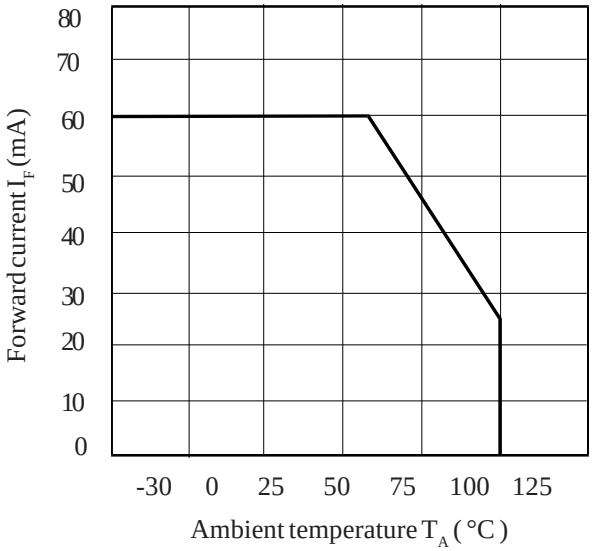
Collector Power Dissipation vs. Ambient Temperature



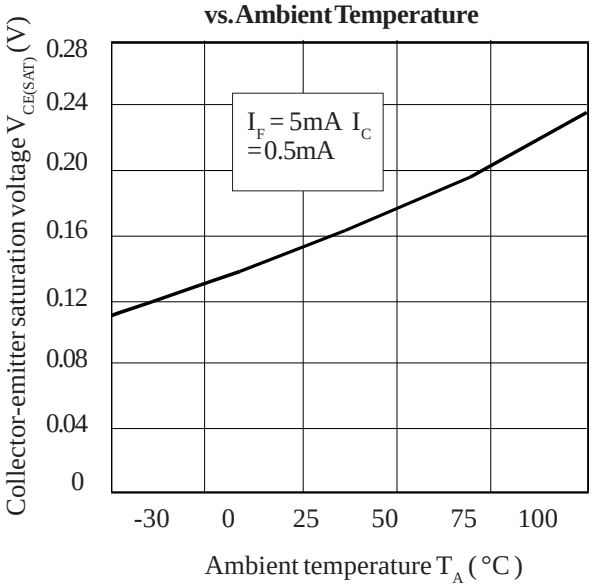
Collector Current vs. Collector-emitter Voltage



Forward Current vs. Ambient Temperature



Collector-emitter Saturation Voltage vs. Ambient Temperature



Relative Current Transfer Ratio vs. Ambient Temperature